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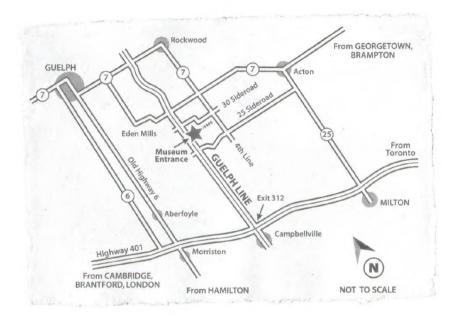


The Halton Count railway museum.
Association Inc. (

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Welcome to an unusual museum.



The Halton County Radial Railway (HCRR) is Canada's largest, and Ontario's only, operating electric railway museum. The museum is owned and operated by the Ontario Electric Railway Historical Association Inc. (OERHA), which is a federally registered not-for-profit educational organization.

The essence of transportation is movement; therefore the museum is not a collection of artefacts locked in glass cases, but rather a full-size operating railway. By actually having the opportunity to ride on vintage railcars, the history of electric railway transportation can be experienced in its proper context for generations to come.

As a historical corporation without share capital, donations to the Association are income tax deductible. The Association is completely self-governing and not affiliated with any level of government or private corporation. The Halton County Radial Railway is a demonstration railway and is not a common carrier.

Introdu

Chronology

December 1953	Group organized
June 1954	First two cars delivered on site
August 1955	Car house #1 construction started
June 1961	Association reorganized
February 1962	Incorporation completed
December 1962	First west-end land purchase
May 1963	First HCRR operation with rail truck M-6
July 1965	Substation completed
January 1966	13 acres of land leased at east end (purchased 1977)
November 1967	First overhead line poles erected
July 1968	Final unit of car house #1 completed
September 1968	Overhead bracket-arm installation started
May 24, 1971	First electric car 327 operated
August 1971	Second west-end land purchase (10 acres)
September 1971	Mainline completed to yard switch
October 1971	Station moved from CNR Rockwood
June 1972 -	Completed installation of mainline trolley wire
June 25, 1972	Official opening of museum
November 1972	First body acquired for restoration (416)
February – September 1973	Six cars acquired in year (3, 4, 335, 521, 2786, S-37)
June 7, 1973	Historic Plaque unveiling. The Archaeological & Historic Sites Board of the Archives of Ontario

September 1976	Car house #2 completed with Wintario Grant
December 1977	West yard (tracks 21-23) completed
September 1980	Visitors' Reception Centre Gift Shop completed
Fall 1983	Car house #3 and machine- shop addition to car house #2 completed
September 1984	Turning loops opened. Mainline now complete
Summer 1986	Car house #3 yard completed. Overhead installed
Summer 1988	East end landscaping and rock garden completed
September 1994	Third Association of Railway Museums convention held
Winter 1997	New machine shop building constructed
August 1997	L&PS 8 restoration completed after 13 years
Spring 1999	Track 24 construction started
September 2001	327 participates in TTC's 80th Anniversary in Toronto
Fall 2001	Track 24 completed and overhead installed
2002	Substation upgrade completed
Fall 2003	Car house #4 site graded
Fall 2004	Track 37 right-of-way completed, track 37 and yard 4 track constructed
May 2006	Railcars received for Archives Facility from CPR
October 2007	Archives facility completed and officially opened



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Introduction



While largely forgotten today, the electric railway was the unsung hero of urban growth throughout the early 20th century. Prior to the days of arterial roads and two automobiles per household, electric urban transit was an absolute necessity for the development of cities, their suburbs and their overall economic viability.

Long before the private automobile was even a realistic option, networks of electrified trolley cars transported thousands of workers to and from work each day. While the early electric cars of the 1890's were little more than boxes on four steel wheels, they paved the way for what was of the the fundamental cornerstone of modern railways and rapid transit. The inherent to become the fundamental cornerstone of modern railways and rapid transit. The inherent efficiency of steel wheels on steel rails was realized with the construction of the first railways in the mid-19th century, but it wasn't long before this efficiency was scaled down for urban use.

The first successful electric railway operation in Canada (and arguably North America) took place at the Canadian National Exhibition (CNE) in 1885, when Charles Van de Poele demonstrated a quarter mile railway powered entirely by electricity from an overhead power line. While the machine was crude and unreliable it showed the potential of electric traction. By 1891 the design had been refined to the point that, while still crude, electric trolleys were viable.

The first electric streetcar in Toronto entered regular service on the Church line in 1892. In the decade that followed, Toronto's entire streetcar system was electrified and expanded. By the turn of the century, suburban and interurban rail lines began to develop across Canada. These lines tended to radiate from urban centers outwards, much like the spokes on a bicycle wheel; hence the term "Radial Railway" was born.

Between 1900 and 1920 vast enhancements in electric traction design and construction were made and Ontario had a booming electric railway industry. Not only were there dozens

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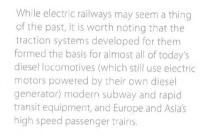
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ompleted ned of urban and suburban systems, but there were also no less than 10 full-time electric railcar manufacturers and hundreds of component manufacturers. Familiar names like Westinghouse, General Electric, WABCO and Bombardier and their predecessors all had significant manufacturing operations in Ontario.

Throughout the 1920's the introduction of the mass produced private automobile initiated the demise of most systems. While many held on until the 1950's, the die was cast as the population became more mobile and less interested in public transit. The lone exception to this trend in Ontario was Toronto where the Toronto Transit Commission (TTC) has been continuously operating electric streetcars for 115 years and most of it along the same routes.

While most urban systems shut down or converted to buses, several of the suburban systems continued to operate electric freight right up into the late 1950's. The last full-scale electric freight operation in Ontario was INCO's 200 mile in-house transfer railway in Sudbury. It ceased electric operation in 2001.





MUSEU

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By a stroke of luci searching, the gra suitable piece of a afford. It was a thr an abandoned elso outside Rockwood was available for t property taxes.

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MUSEUM HISTORY

The Ontario Electric Railway Historical Association (OERHA) was founded at a New Years Eve party in December 1953 by five young Torontonians with a passionate interest in urban transit history. Up until that time, the Toronto Transportation Commission maintained a small collection of historic streetcars and early transit vehicles, including an omnibus, stagecoach and sleigh. Due to space constraints, the TTC opted to disband its collection and, without a home, these cars surely would have been scrapped.

With fierce determination and unwavering resolve, the five young men set about starting what would become Canada's largest electric railway museum with the sole purpose of preserving the two largest vehicles in the TTC's collection. Throughout the winter of 1954 a significant effort was expended searching for a piece of property, saivaging scrap track materials and soliciting help from their friends.

By a stroke of luck and many months of searching, the group managed to find a suitable piece of property they could afford. It was a three acre parcel of an abandoned electric railway line outside Rockwood, Ontario, which was available for the payment of back property taxes.

The parcel of land was a small piece of the Toronto Suburban Railway (TSR). The TSR was constructed in 1915 and operated from The Junction in West

Toronto to Guelph. The line proved unsuccessful as it ran parallel to major freight lines operated by the Grand Truck and the Canadian Pacific Railways. The line was abandoned in 1931 and dismantled.

In June of 1954 the dream was realized when TTC cars 1326 and 2210 (Toronto Civic car 55) were delivered to the site and unloaded on a short section of track. This began the seemingly endless process of developing a museum with little outside assistance. By 1961, when the Association was officially incorporated, the fleet included Montreal & Southern Counties suburban car 107 and work was well underway on a carbarn to protect the cars from the elements.





Throughout the 1960's construction of the carbarn continued, as well as the grading of the old roadbed and construction of track. Additional property was purchased and leased, and the line extended west reaching a mile through the bush by 1971. Poles were installed in the original locations and trolley wire salvaged from Oshawa and reinstalled. The first electric operation took place on May 24, 1971 when car 327 operated under its own power.

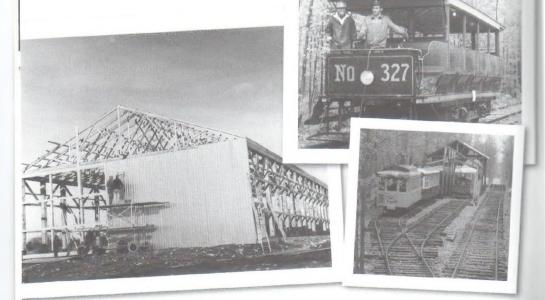
The museum officially opened to the public on June 25, 1972 and has been in continuous operation ever since. More vehicles were acquired and two more carhouses built along with a gift shop

and machine shop. The former Grand Trunk Railway station from Rockwood was relocated to the site and to this day is used for dispatching cars. The collection and infrastructure has grown well beyond the dreams of the original founders, but the museum remains true to their vision. When the Association celebrated its fiftieth anniversary in 2004, seven of the eight founding members were in attendance to commemorate the event.

TIMING IS EVERYTHING

Unfortunately, most of the electric railways in Ontario were gone before the Association was founded. With the limited resources available during the first few years it wasn't possible to preserve much of the remaining electric railway equipment from many of the smaller systems, which were in the

process of shutting down. However, a number of cars weren't scrapped upon retirement. Alternatively, they were stripped of useable components and converted into dwellings.



Throughout the last for many of these "bodies" to their former glary.

Everything about elec cases, acquiring a rail straightforward. Howe the real work begins. Indeed, when London Association had to wa a suitable truck was an the museum. Once o preservation and hou Current costs for insid per track foot. For an 50' long that equate \$22,000. Hence, it sim feasible to get everyth

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GETTING INV

The Association is or volunteers. All revenu the museum is reinw and development W a significant amount years in the form of c on admission reven corporations have r material donations The main corporati listed in the back of asset the museum in members and volun and always seem to were thought to be

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Throughout the last forty years, the Association has acquired as many of these "bodies" as possible with the goal of restoring them to their former glory.

Everything about electric railways is big and expensive. In many cases, acquiring a railcar or body is relatively inexpensive and straightforward. However, once the car is purchased or acquired the real work begins. Just transporting railcars is a challenge. Indeed, when London & Port Stanley 8 was acquired in 1968, the

Association had to wait until 1971 before a suitable truck was available to ship it to the museum. Once on site, the cost of preservation and housing is significant. Current costs for inside storage are \$450 per track foot. For an average size railcar 50' long that equates to more than \$22,000. Hence, it simply isn't economically feasible to get everything inside right away.

A significant effort has been expended over the years to collect spare components and parts such as trucks,

controllers, brake equipment and interior fittings. As time and finances allow, these seemingly derelict railcars will be restored to operating condition. The remarkable transformation of London Street Railway car 23 is a good example of how these cars can be restored. From a gutted change room at a skating rink, into a fully restored operating car, it is easy to realize what is possible with dedication, perseverance and a little financial assistance.



The Association is owned and operated entirely by volunteers. All revenue derived from the operation of the museum is reinvested in the museum's operation and development. While the Association has received a significant amount of financial assistance over the years in the form of capital grants, it still relies entirely on admission revenue and donations. A number of corporations have made significant financial and material donations to the museum over the years. The main corporations over the past 50 years are listed in the back of this book. The most significant asset the museum has, other than the collection, is its members and volunteers. They are dedicated, selfless and always seem to find ways to achieve things that were thought to be impossible.



Sandra Traversy





Dave Barret



Dave Barre

Membership is open to anyone with an interest in railways, history, or anyone who has a willingness to get involved. Most Association members are not connected with the railway or transportation industry, but are united by a desire to do something constructive and to accomplish together what could not be done alone. The Association's members contribute tens of thousands of volunteer hours of their time each year. Every contribution, no matter how seemingly insignificant is appreciated.

The Association is always actively seeking new members and volunteers. Much of the museum's development pace is tied directly to member involvement. Many members choose to simply support the museum financially, while many others prefer to "get their hands dirty" at the museum.

HOW DID ALL OF THIS GET PAID FOR?

As the museum was founded, everything was paid for by "passing the hat". For over a half century this practice continues today when funds are needed. Revenue derived from the museum operation covers day-to-day expenses such as taxes, hydro, insurance and summer staff salaries. However, all significant infrastructure development was funded by donations, both from our members and the public.

Both of the museum's large carbarns were largely financed by Federal grants and the museum's recent infrastructure development has largely been supported by grants from the Milton Community Fund and the Ontario Trillium Foundation.

Corporations continue to donate equipment, parts, supplies and expertise. We are particularly grateful to the Toronto Transit Commission, which has supported the museum through donations of equipment and parts for more than half a century.

We are also indebted to all of our members and supporters for their assistance in the past, present and future.



Stree



Toront (1893)

Built by: T Desc.: SE! Built: 189 Retired: 1

Arrived: 1 Donated : : · lingness - Lirtation plish together inousands of . nsignificant

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Streetcars



City of Toronto Archives

Toronto TTC 327 (1893)

Built by: □□□

Desc.: SE ST Bench Open Built: 1893, rebuilt in 1934

Retired: 1915 Arrived: 1968

Donated by: TTC in 1968

The original 327 was built in 1893 and operated until 1915 when side running boards were banned in street operation. It was then stored and eventually scrapped In 1934, to mark the centennial of the City of Toronto, the TTC built a new 327 following the original plans closely and using original mechanical and electrical parts. It is quite rare, as only two or three other four-whee open cars are in existence in Canada today. It has a "Montreal" truck, made in its namesake city So far as is known, this is the only remaining example of this early "made in Canada" equipment, as its manufacture ended before the turn of the century.

Car 327 was gonated by the ITC in 1968 and was the first electric car to move under its own power at the museum on May 24, 1971. t returned to the streets of Toronto on September 9, 2001 to lead the parade of vehicles for the ITC's 80th Anniversary celebrations.



London Street Railway 23 (1901)

Built by: Montreal Park &

Island Railway

Desc.: SE DT Open, 15 Bench

Built: 1901 Retired: 1935

Arrived: 1983

Donated by: Wonderland Gardens Limited, London

This unusual car, (one of five), was built in 1901. This group of cars of 43′6″ length and 15 benches were probably built in the Montreal Park & Island Railway shops. They started to arrive in London, Ontario by the CPR on April 4, 1901

The cars handled excursion traffic to Springbank Park and were rarely, if ever, used on any other line. They were kept in summer use until 1935.

The body of car 23 was used for almost a half century as a men's change house for a swimming pool at Wonderland Park until obtained by the museum in 1983. Note that the left side was built "closed", a feature rarely found outside Canada. The horizontal placement of the sheathing is very unusual. After a twenty-year restoration the car is now operational again.



Toronto TCI TTC 2210 (1915)

Built by: Prestor Desc.: ST DE Acc Built: 1915 Retired: 1954 Arrived: 1954 Purchased from in 1954



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Toronto TCR 55 TTC 2210

(1915)

Built by: Preston Car & Coach Co.

Desc.: ST DE Arch Roof

Built: 1915

Retired: 1954

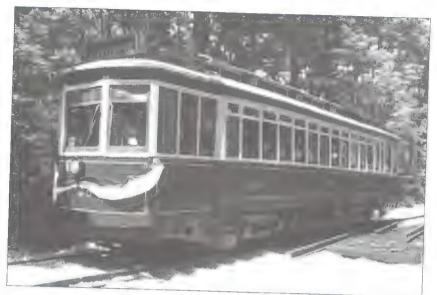
Arrived: 1954

Purchased from the TTC

in 1954

This was the Association's second car to arrive at the museum. It was built in 1915 for the Landsdowne North Line of the Civic Railways, a city-owned predecessor of the ITC. The body form is the rear-entrance "Pay As You Enter" style developed in Montreal in 1905 and later used all over the world. The idea of having the conductor stationed in one spot instead of following a passenger to his/her seat to collect the fare was considered revolutionary at the time. Built without air brakes, these cars were withdrawn in 1926. At this time the car became car 2210. All were scrapped or converted for other purposes (see rail grinder W-28) and only car 55 is now in its original form.

The car was purchased from the TTC in 1954 as a snow scraper and restored to passenger service at the museum. t is quite possible that this car and L&PS car 8 were both in work at the Preston Car & Coach Co. plant at the same time. A greater contrast between the cars is hard to imagine The truck s a Br'll 21-E, which is probably the most widely used type of single truck ever developed.



Dave Barrett

Toronto TRC TTC 1326 (1910)

Built by: Toronto Railway Co.

Desc.: Class (B) DT SE Deck Roof

Built: 1910

Retired: March 30, 1951

Arrived: 1954

Donated by: TTC

This is the only survivor of 461 convertible double truck cars built by the Toronto Railway Co. at Front and Frederick streets between 1903 and 1917; 1326 dates from 1910. During the early years, it was not uncommon for systems to manufacture their own vehicles. Originally the right side of the car was removable in panels for operation as an open car. The former top step is visible along the side. The car has been rebuilt three times and assumed its present appearance in 1932.

Donated by the TTC in 1954, this car was the first restoration undertaken at the museum. Upon completion, it was exhibited at the 1978 Canadian National Exhibition. It has a special status among our members because the museum was founded to save at from being scrapped. Since it is the Association's first car it is ordinarily reserved for operation only on special occasions.

Toront (1913)

Built by: ₹

Desc.: SE 5

Built: 1913

Retired:

Arrived: 19



(1913)

Built by: Toronto Ry. Co.

Desc.: SE ST Deck Roof

Built: 1913 Retired: 1961 Arrived: 1962

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Toronto TRC TTC 1704 Car 1704 was built by the Toronto Railway Co. in 1913 as a smaller version of car 1326. This car still has the short vestibu e platforms, which were lengthened on the larger cars around 1920. It is equipped with hand prakes.

> The car was withgrawn from passenger service in 1925 and converted to a double-end rall grinder and renumbered W 25. It was used to grind surface rregularities on the rai s, primari y at car stops unt l t was retired in 1961. The car was oought for the museum and shipped to the property in 1962. The truck is a Curtis design rarely used outside Toronto.



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Toronto TTC 2424 (1921),

2984 (1923) "Large Witts"

Built by: Canadian Car & Foundry

Desc.: SE DT Arch Roof Large Witt

Built: 1921, 1923

Retired: 1961, 1954

Arrived: 1962, 1981 Car 2424 purchased from

a Scrap Dealer

Car 2984 purchased from a Family Estate

Our center-door "Peter Witt" cars represent the worknorses of the Toronto system between the wars. The TTC had 350 of them, but only a handful was used elsewhere 'n Canada. The type is named after Peter Witt, an official of the Cleveland Railways Co., wno patented the fare-collection system associated with the center door. The "Large Witts" were the cars that began the modernization of Toronto's street railway in 1921 and were so much wider than earlier cars, ike 1326, that all tracks in the city had to be rebuilt with wider separation to permit them to pass. Car 2984 was part of the last order built in 1923, both orders by Canada Car &

2984 remained in its two-man configuration and was used on the Yonge line until it retired when the supway opened in 1954. Car 2424 is equipped with Canadian Westinghouse electrical components, while 2984 was equipped with English Electric motors and Dick Kerr controls. Car 2424 was purchased from a scrap dealer in 1962. It was leased to the TTC as a tour tram from 1975 to 1990. The body of 2984 became a summer cottage until it was purchased and

Foundary Co. of Montreal. Car 2424 was repuilt for one-man operat on in 1941. Car

snipped to the museum in 1980



Toronto TTC 2786 (1922),

2894 (1923) "Small Witts"

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Built by: Canadian Car & Foundry (2786); Ottawa Car Co. (2894)

Desc.: SE DT Arch Roof Small Witt

Built: 1922, 1923

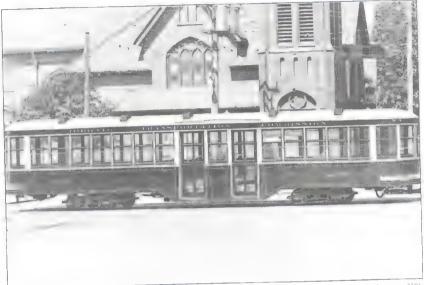
Retired: 1963

Arrived: 1973 (2786),

1986 (2894)

The "Small Witts", as they came to be known, were slightly scaled down versions of the original design. Unlike the Large Witts, they were not equipped with couplers and could not pul trailers. Both cars are virtually identical in appearance, although they were built by different manufacturers. They were used on ignter carlines and remained in service until the University subway line opened in 1963. Both cars remained in Toronto for occasional charter use after the balance of the fleet was ret red and 2894 entered Tour Tram service in 1975.

Whi e originally built as two man cars, both were converted to one-man "Pay As You Enter" in 1933. Car 2894 has been fully restored to its 1936 appearance, while car 2786 remains in its "as retired" configuration.



TTC 2375, an example of a two-door trailer similar to car 2395

Toronto TTC 2395 (1921)

Built by: Canadian Car &

Foundry

Desc.: SE DT Arch Roof Trailer

Built: 1921 Retired: 1938 Arrived: 1983 n conjunction with the TTC's initial purchase of 100 Large Witts in 1921 (cars 2300-2498), a fleet of trailers were also constructed. These were technically not "Witts" because they had only a center door, but they were still called Witt trailers. Trailer trains were used in regular service on heavy lines such as Yonge, Queen and Kingston Road. Having only two doors, they proved very inefficient for loading and unloading, so subsequent trailers had three doors.

With the introduction of the PCC car in 1938, the TTC retired the entire fleet of two-door trailers Three-door trailers remained in service until the Yonge subway opened in 1954.

After being used as a cottage for nearly half a century, car 2395 was acquired for restoration. It is thought to be the only two door trailer in existence.

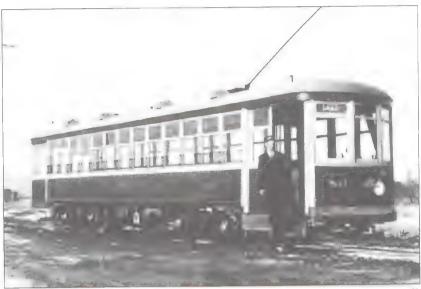
Osha¹ (1923)

Built by

Desc.: 🗋

Built: 19 Retired

Arrived



Oshawa Railway 82 (1923)

Built by: Ottawa Car Company

Desc.: DE DT Arch Roof

Built: 1923 Retired: 1940 Arrived: 1985

Inis car was built by the Ottawa Car Company as part of the .ast order of wood-body streetcars built in Canada (apart from some short-I ved wartime emergency cars in Montreai) it was technological y almost ten years out of date when It was new. Originally built as a rear entrance car, it was rebuilt for one man pay as you enter operation in 1928 and operated until streetcar service on the Oshawa Railway was discontinued in 1940. It was transferred to the Niagara, St. Catharines & Toronto Railway (line Oshawa, a CN subsidiary) and was actually shipped to St. Catharines, but never re-entered service.

The car was retired and shipped to N agara Falls where it was used as a summer house until t was shipped to the museum in 1985. The car is presently only a body, but virtually all of tne electrical and mechan cal components have been gatnered up over the years. However, the car will eventually be restored to operating condition.



Hamilton Street Railway 521 (1927)

Built by: National Street Car

Desc.: DT SE Arch Roof

Built: 1927 Retired: 1951 Arrived: 1975

Purchased in 1975

The 48 cars of Hamilton's 500-series, built in 1927-29, were typical city cars of the period and very similar to cars in Regina, Calgary, Quebec, Montreal and elsewhere. The Hamilton cars were unusual in one respect: the main side plates are on the inside and the exterior finish is a laminated material called "Plymeti" The space between this and the side plates were filled with insulation.

At first these were two-man cars with the conductor standing behind the motorman, but before long one-man crews were used, for which the cars had been intended from the beginning. The cars were equipped with brass window sash, which was an improvement that came just too late for Toronto's Witts.

Car 521 was retired in 1951, but not scrapped as most of the 500s were. Instead it was sold for use as a farm shed until acquired for the museum in 1973. Since these cars had many components in common with Toronto Witts, it will be rehabilitated with many parts from car 2806.

Toronto (1938)

Built by: St. L Canadian Car

Desc.: DT SE Built: 1-1-

Retired: --Arrived: 1969

Donated by:











Toronto TTC 4000 (1938)

Built by: St. Lou's Car/ Canadian Car & Foundry Co.

Desc.: DT SE Air-Electric PCC

Built: 1938 Retired: 1968 Arrived: 1969

Donated by: □C

Development of the PCC car began in 1929 and ful -scale production commenced in 1936. Toronto made its in tia purchase in 1938. Car 4000 was Canada's first PCC car and the first of wnat became the largest fleet of PCC cars 'n North America (total was 745 units). This was quite significant at the time because no other Canadian city had more than a handfu. The cars were a result of considerable improvement of traditional street rai way equipment and were truly innovative.

Car 4000 is an air-electric car, wherein the hold ng brakes, doors, sanders and wipers were air operated. Later design refinements led to the deve opment of an all-electric car, which nad no need for air equipment. The car operated in revenue service until 1963 when it was withdrawn and used as a training car. It was retired in 1966 and donated to the museum in 1968. It is the only surviving Toronto air-electric PCC car.



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Toronto TTC 4386, 4426, 4684

Built by: St. Louis Car Co./ Canadian Car & Foundry Desc.: DT SE Al Electric PCC

Built: 1948, 1949, 1946 Retired: 1990, 1982, 1982

Arrived: 1990, 1982, 1982

Donated by: TTC

Beginning in 1948, the TTC purchased 250 new all-electric PCC cars, which were divided into three classes The 4300 series were standard cars. The 4400 series were basically ident cal to the 4300s except they were equipped with multiple unit controls and couplers and could be operated in trains. The 4500 series cars were the TTC's last order of new PCCs delivered in 1951.

Between 1971 and 1975, the TTC completely rebuilt 173 of the 250 all-electric cars for extended service. Car 4386 was rebuilt in 1973, while car 4426 was never rebuilt and was among the last un-rebuilt cars to be retired in 1982. Like 4000, the 4300-4549 series is a joint effort of the St. Louis Car and Canadian Car & Foundary Co.

The TTC also purchased 205 second hand PCCs from four American systems. Among this second fleet were 25 cars in the 4675-4699 series. Car 4684 was built in 1946 as Louisville Railway Co. car 509, but before delivery the company changed its mind and the 25 cars were traded to the Cleve and Transit System for buses. It then became car 4259 in Cleveland. In 1952 all Cleveland cars were sold to the TTC, which added M.J. controls and used them in train service on Bloor and Queen. Unlike the TTC's new cars, car 4684 is a 100 per cent St. Louis Car Co. product.



Toronto TTC 4600, 4611, 4618 (1951)

Built by: St. Louis Car. Co/ Canadian Car & Foundry

Desc.: DT SE Upgraded All-Electric PCC cars

Built: Originally in 1951, rebuilt 1972-75, Final Rebuild 1986,1991,1993

Retired: 1995 Arrived: 1996

4600, 4618 Donated by TTC

4611 Purchased from T. Twigge-Molecey

Car 4600 was the prototype for the class A-15 PCC rebuilding program of the late 1980s Originally numbered 4505, car 4600 was completely rebuilt by the TTC and out shopped in 1986. The rebuilding of a further 18 cars began in 1988 with car 4618 being the last car completed in 1993 The cars operated in rush hour service until December 1995 when the entire fleet was retired. Car 4611 was the last PCC car to operate in revenue service.

The cars were originally built in 1951 as the 4500-4549 ser es that was classed A-8. The cars were assigned to St. Car division until it closed in 1978 when they were transferred to Russell and Roncesvalles Divisions. A I put one of the A-8 class cars was rebuilt in the 1970s heavy rebuild program.

Suburban/Interurban Cars





Montreal & Southern Counties 107 (1912)

Built by: Ottawa Car & Mfg. Co. Limited

Desc.: DT DE RR Roof – Combine

Built: 1912 Retired: 1955 Arrived: 1956 Donated by: CNR This is a fine example of the classic wooden suburban ("rad a") car that was pui t in 1912 to run between Montreal and towns across the St. Lawrence River. Most of its life was spent in this suburban service and the baggage section was used as a compartment for smokers. Special interurban features include the baggage section, Pul man roof, stained glass upper sash, wider seat spacing and multipleunit control, which permits more than one motorcar to be controlled by a single motorman as in subway trains. The rear "drop vestibule" and the truck mounting of the pilots are unusual. The trucks are a Curtis design used in quantity, so far as is known, only by the M&SC, the Illinois Traction System and the Toronto & York Radial Rai way.

Suburban cars are general y smaller than interurpans and not designed to be mixed with freight equipment. A notable difference is that suburban cars are generally not equipped with cavatories. The trucks were rebuilt and regauged by National Steel Car.

Nortl Railw (1924)

Bu to

Desc

Built: 1
Retired

Arrivec Purcha in 1973



North Yonge Railways - TTC 416 (1924)

Built by: Ottawa Car Manufacturing Lim ted

Desc.: DT DE Arch Roof

Built: 1925 Retired: 1948 Arrived: 1973

Purchased from Mr. Fred Spratt

in 1973

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Car 416 was built by Ottawa Car Co. for the former Hydro Electric Power Commission, which operated several railways on behalf of the mun c₁palities that owned them. Twenty 400s were built, eight for the Port Credit radial and 12 for Windsor (SW&A). They were typical I ghtweight c ty/suburban cars, a type very common in the U.S.A., but not widely used in Canada. The roof-mounted headlights were a Hydro characteristic.

In 1930 all e ght cars were transferred to the North Yonge Rai ways and ran to Richmond Hill until the line was abandoned in 1948. The body of 416 then became a residence in Hillsburgh, Ontar o until 1972. It was the first car to be restored to operating condition after acquisition as a "dead body". Museum forces did all the work. The Taylor low-floor trucks came from Boston as the type was extinct in this country. It is currently sitting on CC&F trucks pending renabilitation of the Tay ors.



London & Port Stanley 8 (1915)

Built by: Jewett Car Company (Newark, Onio)

Desc.: DT DE MU Arch Roof Combine

Built: 1915 Retired: 1963 Arrived: 1971

Purchased from the Government of Ontario During the years prior to World War One, Ontario Hydro planned a number of high-speed electric rai ways linking the principal cities to southern Ontario. In 1915 the L&PS was electrified to standards planned for the network, as a demonstration of what was to come. For various reasons the main ines were never built, but the L&PS remained as a monument to Hydro foresignt

This car is one of five built for the opening of the line. The car bodies were built by the Jewett Car Manufacturing Co, in Newark, Onio, but much detail work and electrical installation was performed by the Preston Car & Coach Co. It was designed before the development of techniques that combined structural strength with moderate weight. As a result, it is brutally heavy (over 46 tons) and few heavy-steel interurbans have survived in Canadian museums owing to their high value as scrap metal.

Car 8 was completely gutted by fire on January 4, 1926, which was caused by a short circuit. It was rebuilt by Canad'an Car & Foundry in Montreal and carried passengers in London until 1957. After the end of passenger service, 8 saw use as a switcher until 1963. The car was purchased from the Province of Ontario in 1968 and arrived at the museum in 1971. The trucks were regauged by National Steel Car without charge to the museum.



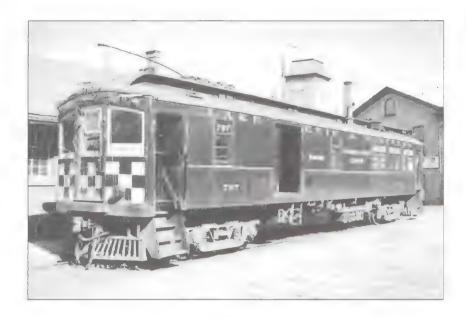
Lake Er Northe

Built by -

Desc.: 0 T

Built:

Retired: 19



Lake Erie & Northern 797 (1915)

Built by: Preston Car & Coach Company

Desc.: DT DE MU Heavyweight Interurban Combine

Built: 1915 Retired: 1955 Arrived: 1999

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Built by Preston Car & Coach Company of Preston, (now Cambriage), Ontario in 1915, this car is significant for a number of reasons. It is the only surviving Canadian Pacific Electric Lines passenger car and is believed to be the only Preston interurban motor car in existence.

The LE&N, and a few years later, the Grand River Railway, operated at 1500 voits, direct current, which was considered at the time to be superior for use on interurpan railways Passenger cars of both lines used the Westinghouse AB, mu tiple unit control system, which featured automatic acceleration.

Built to CPR steam coach standards, car 797 provided baggage, express and passenger service from 1916 until the end of regular passenger operations in 1955 Fortunately, American interests saved the car from the scrapper's torch, and moved to New York. The car was acquired by the Seashore Trolley Museum in Maine where it remained in storage for more than 20 years. In 1999, a deal was reached with Seashore to trade the car for TTC Witt 2890. After 44 years in the U.S.A. the car returned home to Canada.

Collection Roster

Fleet No.	System	Builder	BLT.	RET.	ACQ.	Туре	Comments			
23	LSR	MP8J	1901	1935	1,8%	SE-DT Streetcar	Acquired as a body, Restored to running condition			
55	TCR	Preston	1915	1954		[T exper	e lorele la transferiore			
82	OR	Ottawa	1923	1940	1-84	DE DT < reetcar	Body only is sed as a cottage			
212	SW&A	Preston	1922	1940		F	r is a texmitter P			
327	TTC	TTC	1933	1967	1468	SE-ST Streetcar	Components salvaged from original open cars burned out at King			
5	HSR	NSC	1927	195		-E	[sed as a cottage			
1326	TRC	TRC	1910	1951	1914	SE-DT Streetcar	First car acquired in 1954. Used for special events only			
704	TRC	TRC	1913	4	W	SE-ST Streetcar	used as a rail grinder (W-25, from 1925 until 1962			
2395	TTC	CC&F	1921	1938	148	SE-DT Trailer	Body only. Used as a cottage Only surviving 2-door traver			
2424	TTC	CC&F	1921	1962	a f	SE-DT Streetcar	From the TTC's first order for new + 1 TH 1/2 to 1921			
2786	TTC	CC&F	1922	1963	19*3	SE-DT Streetcar	Operated occasionally for special events. Small Peter Witt type.			
2894	TTC	Ottawa	1923		**	reet(at	4 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·			
2984	TTC	CC&F	1923	1954	1981	SE-DT Streetcar	Large Witt for Body only Used as a cottage 2-man operation			
4000	TTC	CC&F	1938	1968	* 4	SE-DT Streetcar	Torontos first Air-" ectric PCC car Training car			
4386	TTC	CC&F	1947	1990	199.7	SE-DT Streetcar	Class A-6 type A ₁ Electric PCC car. Rebuilt in 1972-75			
4426	ITC	CC&F	1949	1982		SE DT Streetcar	Class A 7 type A Electric PCC car			
4600	TTC	CC&F	1951	1995	996	SE DT Streetcar	Prototype A-15 rebuilt in 1986 from Class A-8 car 4505			
4611	TTC	·E	1 11	1 -		1 A street(a)	4 * F & F & F & F & F & F & F & F & F & F			
4618	TTC	CC&F	1951	1995	9-10	SE-DT Streetcar	Class A-15 rebuilt All-Electric PCC. Formerly Class A-8 car 4501			
4684	ITC	St. Louis	1946	1 "	,>	SE-DT Streetcar	Class A-12 PCC Formerly Cleve and 4233, onc			
3	L&PS	Preston	1915	1955	973	DE DT Trailer	Interurban trailer Body only			
8	. RPS	Jewe ⁺ t	1915	1961	, ·	DE DÎ Interurban	1500v High speed MU Interurpan Regauged by NS			
107	M&SC	Ottawa	1912	1955	950	DE DT Suburban	Multiple unit Suburban Combine First Interurban car			
416	TTC	Ottawa	1925	1948		Ī , , ,	Former Toronto & York Pag a Ra I ways 416. Us			
797	LE&N	Preston	1915	1955	. 999	DE-DT interurban	Muttiple und Interurban Combine. Unique 2/3 baggage			
48	CTA	St Louis	196		4	DE-JT Rapid Trans t	Multiple un 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
5098 - 5099	TTC	GRW&C	1953	1990	991	SE-DT Rapid Transit	Married pair. First cars in inaugural train			
5300 5301	TTC	MLW	1961	1999	1 * *	- f Rapid Transit	Married pair, First Subway cars built in Can .			
45	OR	NS&T	1925	1965	1 765	SE DT Line Car	Overhead maintenance car			
C-1	TRC	TTC	1911	1968	ar s	SE DT Crane	Crane car Equipped with 5 : † Brownh : 11			
M-4	LE&N	ERICO	1915	1962	1967	SE-ST Rail Bonder	Self propelled weiding car Only surviving ERICO Bonder			
RT-7	ПС	Preston	1915	1970	* *	DE-ST Grinder	Subway rail grinder. Con with a sign of the right of the			
RT-28, RT-29	TTC	Ecolaire	1987	2001	303	DE-DT Flatcar	Trucks & components from retired Gloucester subway cars			
5-37	TTC	Russel	1920	1973		F	nterurban truck			
TP-11	TIC	NSC	1945	1976	1973	CE-DTS OW Plan	Snow plow, Equipped with high speed interurban trucks			
√ √ 4	TRC	TRC	1904	1974	+34	⊢)T Fiat Motor	Flat motor Equipped with cabining			

March Marc		Fleet No:	System	Builder .	BLT.	RET.	ACQ.	Type	Comments .
Mary Name									
	ing condition	er Se		Pullman	4.].	4 4 4	. l.	→ DI Rai Grinder	Rail grinding train, PCC cars 4631 and 4668, CTS 4206 & 4243.
M.S. CVM	~ 2estored from FTC	335	LE&N	BW	110	1975	1973	DE-DT Locomotive	
M5			• :	`t		er.	* * *	DE-DT Locomotive	Boxcab locomotive 1000Hp, 1500 VDC
		M 5	CWH	Anting	19)	1967	1968	DE STTrackmobile	
940 CR Pulman 1940 1970 1		TM 2	CPR	A-17 1	-			DE-STTrackmobile	Mode 2 TM trackmobile Regauged by HCRR
	form onginal open cars	9482	CNR	Pullman	1945	1995	1996	Baggage-Dorm	Formerly CN sleeper 2053 - "Val Brillante", originally New York Central 10423 - "Dorcas Bay"
A. 168		*	CPR	AC 8,F		*		Auto Boxcar	
	540.1	4_108	CPR	40 1	1922	197	1-9/5	Auto Boxcar	Wood sneathed auto boxcar. Used for parts storage.
1	, * w		C PR	1	er.	2.00		* * 3	Newsprint boxcar - used for parts storage
Part CPR	reaction, required	80903	CPR	ΗS	1901	2006	2006	Box.ar	
1	and the second of the second o								
A3145 CPR CPR CPR CPR 1991 1991 1991 1994 2000 Seed caccoose Sult standard gauge.	ints Small Peter								Ballast hopper - used for ballasting track
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Figure Figure Food 1966 1975 197	· ^ Tase								
Farmont 1 1 1 1 1 1 1 1 1				Ford					
189-63 CNR Fairmont 197 1990 717 Gang Car Self-Propelled Model A 4 Gang car.									
2016 Hed Amon	: r Repu * n 1972 K								
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First Firs									
RT-24, RT-25 TTC	Formerly Class			П	923			Tower Cart	on flatcar.
subway car truck Figure 1 in Farmont in Species Species Self-Prope led track inspection car Which is a Sylvester 944 in 164 1965 Hand Car Hand powered track inspection car Line Unique 2/3 ITR In 1971 In 1944 in 1966 In 1969 Coach Indicate the Equipped with tower for overhead wire maintenance of four built in 1944 in 1966 In 1969 Indicate the Equipped with tower for overhead wire maintenance in 1971 HSR In 1971 Indicate the Indi	* . * · f ,	·	[* [t.	* **	4r	()	r · Truck	
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The Unique 2/3 and the Unique 2/		IHS:	"H 3	Fairmont	4	411.4		Speeder	Self-Prope led track inspection car
State Unique 2/3 34 HSR First 94, 196 176 Line Truck Equipped with tower for overhead wire maintenance was, tair Regauged by FTC 28. First 198, 198 2005 Line Truck Equipped with tower for overhead wire maintenance was, tair Regauged by FTC 28. First 198, 2005 Line Truck Overhead line truck Equipped with Hi-rail equipment 27. HSR First 28. First 29. Forklift 2ton Forklift, Equipped with Hi-rail equipment 27. HSR First 29. State 29. Forklift 2ton Forklift, Equipped with Probane Engine 29. HSR 84 Line Truck 1985 Bus GM Model TDH 4512 Formerly Brampton Transit 45741. Trollev Coach Bin. Model TDH 4512 Formerly Brampton Transit 45741. Trollev Coach Fiver E 700. Bin. Model TDH 4512 Formerly Brampton Transit 20. Recuit by Centennia equipment 29. TTC First 27. 1994 1997 Trolley Coach Fiver E 700. Fiver E 800 Model Fed by GEC Alsthom for dual power 21. First 27. 1994 1997 Trolley Coach Fiver E 800 Model Fed by GEC Alsthom for dual power 21. Fiver E 700. Fiver E	- tranterabiniar	W-3	CNR	Sylvester	944	1365	1965	Hand Car	Hand powered track 'nspection car
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Dural train 141 TIC Ford 1986 2005 2005 Line Truck Overhead line truck Equipped with Hi-rail equipment 151 HSR 6M 1986 1985 Bus GM Model TDH 4512 Formerly Brampton Transit af5741. 1517 HSR 6M 1986 1986 1985 Bus GM Model TDH 4512 Formerly Brampton Transit af5741. 1518 File 9 12 1994 1997 Trolley Coach Bin Model T 48 1519 Former KETH ener Transit af20. Rebuilt by Centennia ede 1519 HSR File 9 12 1994 1997 Trolley Coach Filer E 700. 1510 HSR File 9 18 1994 995 Trolley Coach Filer E 800 Modelfied by GEC Alsthom for dual power filer Filer File State Fil	bine Unique 2/3	34	HSR	F 11	94.	196	1 476	Line Truck	Equipped with tower for overhead wire maintenance
equipment 1. HSR	a way tar Regauged by TTC		,В.	F	,	4 1	1	Dumptruck	Ford F 350 dumptruck
For the second of the second o	oural train	141	TIC	Ford	1986	2000	2007	Line Truck	
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**Only surviving 765 HSR Five 9.72 1994 1997 Trolley Coach Flyer E 700. Section of surviving 92 TTC Fill 467 1998 1999 Bus Content XT ** ener Transit #20. Require by Centennish edge For retired Gloucester 7801 HSR Five 978 1994 995 Trolley Coach Flyer E 800 Modified by GEC. Alsthom for dual power Fig. 1 HSR Five 176 1994 19 Five 50 Flyer E 800 Modified by GEC. Alsthom for dual power Fig. 1 HSR Five 176 1994 19 Five 50 GM ModelT6H-530/N. Equipped with Detriot Fig. 2 Fig. 2 Fig. 3 Fig. 2 Fig. 3 Fig.	idustria	32	HSR	Re	u, S	. 4		Trolley Coach	
### Page 1 TC Fill Mar Page 1 Page 1 Page 2	· Only surviving			Flue	975	1994	199,		
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348 FIC 199 19 Trailey Coach Flyer E-700. New body Components from FTC									GM Model T6H-5307N. Equipped with Detriot
O-I	1. Julybeed	1448	117	t se	1 ,	199	196	Irolley Coach	
	e e e e e 1	,340	1.15	. 4.2	7.2		. 2.7		Brl coaches

Rapid Transit





Toronto TTC 5098-5099 (1954)

Built by: Gioucester Railway Carriage & Wagon Co.

Desc.: DT SE G-1 Class Subway Cars

Built: 1953 Retired: 1990 Arrived: 1991 Donated by: TTC These cars are representative of the rolling stock purchased for the opening of Canada's first subway, which was the Yonge route from Union Station to Eglinton on March 30, 1954. Built by Gloucester Railway Carriage & Wagon Co. of Britain, they came n'married pairs"; the operating configurations were in multiples of two cars. The cars could not be run singly because the pairs shared some of the auxiliary equipment; the even and odd numbered cars differed from each other

One hundred of these cars (5000-5099) were initially ordered, plus four similar aluminum-bodied cars, later increased to six (5100-5105). All of these cars originally operated in six car trains. Later, the purchase of 28 matching non-driving motor cars (5200-5227) for mid-train use and six cars with experimental equipment ("Sputniks" 5110-5115) enabled the increase of train lengths to eight of these 57 cars, which still fit the standard 500' subway station platforms.

The cars saw more than 30 years of intensive use and were seriously considered for resale for further operation when they were retired in 1990.

Toront(5300-5 (1962)

Built by:

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Built: 196 Retired: 1

Arrived: 1
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Toronto TTC 5300-5301 (1962)

Built by: Montrea. Locomotive Works

Desc.: DT SE M-1 Class Subway Cars

Built: 1962

Retired: 1999

Arrived: 2001

Donated by: □C

Built in 1962 by the Montreal Locomotive Works, these cars were the first subway cars built in Canada. At the time of their construction they were the ongest subway cars in the world at just over 75' in length. They a so featured cuttingedge traction equipment developed by General Electric. The cars were purchased to coincide with the opening of the University Subway in 1963 and operated in daily service until they were finally retired in 1999. The cars' design was the pasis for all subsequent orders of the TTC Subway cars.

The cars have been used extensively for movie work since arriving at the museum.



Chicago Transit Authority 48 (1961)

Built by: St. Louis Car Company

Desc.: DT DE All Electric PCC

Rapid Transit

Built: 1961 Retired: 1998

Arrived: 1999

Purchased from CTA

Built in 1961 by the St. Louis Car Company, this car is typica of the original rapid transit equipment specified for the Toronto Subway system. Economic subsidies for British equipment made the Gloucester built cars more economical for the TTC and the PCC type cars were never purchased.

The car is an example of what might have been for the Toronto Subway, and exemplifies the continued deve opment of the PCC design beyond streetcars. Many of the fundamental design elements of the early air-electric PCCs are st II apparent and the traction system and equipment layout remained largely unchanged throughout PCC production. Unlike the majority of Chicago's rapid transit fleet, the 5 50 series were equipped with third rail shoes and trolley poles to enable them to operate both on the "L" and suburpan rapid transit lines. The car was completely rebuilt by Morrison Knudsen in 1985.

Freight Locomotives





Lake Erie & Northern 335 (1915)

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Built by: Baldwin Locomotive Works and Westinghouse

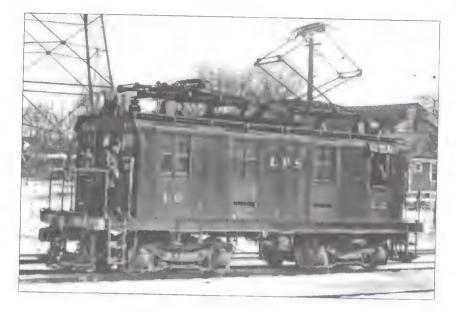
Desc.: DT DE Steeple Cap Locomotive

Built: 1915 Retired: 1971 Arrived: 1973

Purchased from CNR

In later years, many interurban lines (and a few street railways) made most of the r revenues from freight. Almost invariably the motive power used was a standard I'ne of motors built by Baldwin Locomotive Works and Westinghouse. Very powerful for their size and capable of multiple-unit operation, they could handle loads equal to those of much larger steam and diesel locomotives.

Locomotive 335 was pulit in 1915 for the opening of the Lake Erre & Nortnern Railway. t ran there unti-d'esels replaced the electrics in 1961 and was so d to the Cornwall Street Railway L ght & Power Co. as .ocomotive 16. The Cornwall operation was bought out and dieselized by Canadian National in 1971. This motor was purchased from CN in 1973. ts trucks are a special Baldwin MCB design adapted from those used on steam locomotive tenders



London & Port Stanley L-2 (1915)

Built by: General Electric

Desc.: DT DE MU Electric Box

Cab Locomotive

Built: 1915 Retired: 1965 Arrived: 1997 L-2 is one of three box cab iocomotives (L-1 to L 3), built for the opening of the L&PS by General Electric in 1915. L-2 s a standard design, 60 ton, 1500-volt electric locomotive. Similar units were produced for the Piedmont & Northern, the Fort Dodge, Des Mo nes and Southern, as well as properties in South America

L-2 was used primarily in road freight and switching serv ce. Capable of multiple unit operation, these locomotives were also equipped for passenger service and occasionally saw service pul ing trains of passenger coaches and trailers to the beach at Port Stanley.

Electric switching roads and interurban lines general y preferred the superior visibility provided by steeple cab locomotives. The box cab configuration was rare in Canada. In continuous service from 1915 to 1965, —2 is one of two known interurban box cabs preserved in Canada. Sister L–1 is on display at the Elgin County Railway Museum in St. Thomas, Ontario.

Elect



Toronto TF (1904)

Built by: Toront Desc.: DT SE Fiat Built: 1904 Retired: 1973 Arrived: 1973 Purchased from TTC in 1973

Electric Work Equipment





Toronto TRC TTC 4 (1904)

Built by: Toronto Railway Co.

Desc.: DT SE Flat Motor

Built: 1904 Retired: 1973 Arrived: 1973

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Purchased from the

TTC in 1973

This is typical of f at utility motors found on near y every street railway. This work motor car (W-4 after 1921) was built by the Toronto Railway Co. at Front and Frederick in 1904 and has been restored to its original appearance at the museum. The fender s a Watson (replica) and the trucks are Curtis D-2, wnich was the truck usually used by the Toronto Railway Co. and also found on car 1326. The trucks were built in Toronto by the Canada Foundry Co. This car was purchased from the TTC in 19/3.



Toronto TRC TTC C-1 (1911)

Built by: Toronto Railway Co.

Desc.: DT SE Crane

Built: 1911

Retired: 1968

Arrived: 1968

Purchased from the TTC

in 1967

Seldom seen by the casual observer were Toronto's two crane cars, since they were usually used at night carrying track work components to job sites. C-1 was built in 1911 by the Toronto Railway Co. and has been several times rebuilt, notably about 1948 when the deck was renewed. The electric hoist has a 5-ton Lapacit, and can swing right around. The trucks are specially strengthened Bald wins this car was purchased from the TTC in 1967 and renabilitated by museum personne at hill crest Shops before shipment in spite of its rugged construction this car was as quiet and smooth running as a passenger car.

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Desc

Built:

Retired:

Purchasi in 1973



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ıan Smitn

Toronto TTC S-37 (1920)

Built by: Russell Car & Snow Plow Co.

Desc.: DT DE Snow Sweeper

Built: 1920 Retired: 1973 Arrived: 1973

Purchased from the TTC

in 1973

Snow sweepers were Toronto's most numerous class of work cars, the first of them dating back to horse-car days. S-37 was built in 1920 for the Eastern Massachusetts Street Railway in Boston, by the Russell Car & Snow Plow Co. In 1947 the TTC replaced most of ts single-truck sweepers with 12 large cars from the Third Avenue Railway System of New York. As one of these purchased cars, car 90 became car S 37. The trucks are Brill 27 E 1 type, a common interurban truck. Purchased from the TTC in 1973, 5-37 underwent major frame and carbody restoration in 2004.

Snow sweepers were a common site on city streets during snow storms. The brooms were very effective at keeping the tracks clean. However, the increased use of sait and improved municipal plowing rendered sweeping obsolete by the late 1960's.



Gien Franks

Toronto TTC TP-11 (1946)

Built by: National Steel Car Corp. & TTC Hilicrest shops Desc.: DT SE Snow Plow Built: 1946

Donated by: TTC

When the "Big Snow" of December 1944 revealed the inadequacies of its snow-clearing equipment, the TTC ordered two powerful track plows capable of coping with any conceivable snowfa i. The bodies were built by the National Stee. Car Corporation and prepared for service at Hillcrest Shops. These are among the largest snow-fighting vehicles ever built for urban service and were used unti-increasing use of road salt made them unnecessary. The trucks are light Baldwins originating on the ex-Civic Railways Niles cars. The car was donated by the TTC in 1978. This was the last piece of street railway equipment built by National Steel Car,



Oshawa (1925)

Built by: NS Desc.: DT S Built: 1925 Retired: 19 Arrived: 19 Donated b



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Oshawa Railway 45 (1925)

Built by: NS&T Rai way Desc.: DT SE Line Car Built: 1925

Retired: 1964 Arrived: 1964 Donated by: CNR

Overhead line cars on many railways were adapted from older cars, and often had a makeshift appearance. Far otherwise is car 45, which was built at St. Catharines by the NS&T Railway for the Oshawa Railway in 1925. The tower originally could be raised to reach the wire, but this is unnecessary here as our overhead is lower than Oshawa's though much of it was built with components and wire that came from there. The body contains a small workshop in which emergency repairs could be made on the spot. The trucks are neavy Baldwins that are believed to have originated on the London & Lake Erie Railway, since four of those cars came second-hand to Oshawa in 1919.

Car 45 was donated by Canadian National in 1964 and reguaged by Nationa Steel Car Corp. Its motors were rebuilt by Canadian Westinghouse, both without charge to the museum.



ion Sm th

Lake Erie & Northern M-4

Built by: Electric Rai way Improvement Co.

Desc.: DE ST Rail Bonder Retired: 1961

Built: 1915 Arrived: 1962

Donated by: Canadian Pacific Electric Lines

This small car was a standard item produced for many interurban lines by the Electric Railway Improvement Co. in Cleveland. It is a sef propelled unit with chain drive to one axle governed by a primitive al-or-nothing clutch.

Its purpose is to test and, when necessary, repair the flexible ponds at rail joints. The Bonder operated on both the Lake Erie & Northern and the Grand River Rail way. It was rebuilt with enclosed cab in about 1952 and donated by Canadian Pacific Electric Lines in 1962. M-4 was converted from 1500 volt to 600 volt direct current operation by Association forces in 1994.



Tom Twigge-Molece

Toronto TTC RT-28 & RT-29 (1988)

Built by: Ecolaire

Desc.: DT DE Subway Flat Motors Retired: 2001

Built: 1988 Arrived: 2001

These cars were built in 1988 by Ecolaire in St. Thomas, Ontario us ng traction components and trucks from retired Gloucester Subway cars. RT 28 and 29 were frequently used for material delivery and maintenance work in the subway. These flatcars are bi-directional and equipped with an operators cap at each end. They were retired in 2001 when they were replaced by larger and more modern cars.



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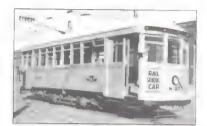


!8 & RT-29 (1988)

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Toronto TTC RT-7 (1915)

Built by: Preston Car & Coach Co. Desc.: ST SE Rail Grinder Retired: 1976

Built: 1915 Arrived: 1976

Donated by: TTC

TTC RT-/ began I fe as Civic Railways car 53. Like car 55, it was rendered obso ete by the TTC with the introduction of the Peter Witts. The car was renumbered 2206 and converted into a snow scraper. It was subsequently converted into rail grinding car W 27. The purpose of a rail grinder is to smooth out irregu arities in the surface of the rails resulting from norma wear and tear. Abrasive b ocks between the wheels were pressed on to the rails by compressed air. The car was subsequently modified for subway service and along with RT-5, it ground the rails in the subway system until both cars were replaced by converted PCC Rail Grinders in 1970.



Toronto TTC W-28 (1917)

Built by: Preston Car & Coach Co.

Desc.: ST SE Rail Grinder Built: 1917

Donated by: TTC

Like RT-7, car W-28 was built as a Toronto Civic Ra Iway passenger car (car 57). Upon being withdrawn from passenger serv ce 't became snow scraper 2214. It was later converted into a rail gringing car and along with W-27 took care of Toronto's streetcar track surface maintenance. The car had a significant overhaul in 1970, which fundamentally changed its appearance. It remained in grinding service until it was replaced by PCC rail grinders W-30 and W-31 in 1976.

Retired: 1976

Arrived: 1976



Emily Thompson

Toronto TTC W-30 & W-31 (1946)

Built by: Pullman Standard

Desc.: DT SE PCC Rail Grinding Train

Built: 1946 Retired: 2002 Arrived: 2002

Donated by: TTC

Formerly ITC surface cars 4631 and 4668, these cars were purchased second-hand from the Cleveland Transit System in 1952. They were originally numbered 4206 and 4241. Bu It by Pullman in 1946, they were equipped for multiple unit operation, but were not equipped with couplers

Once purchased by the TTC, the cars were extensively modified to meet TTC standards and couplers were added. They operated in trains on the B oor-Danforth route from 1953 until 1966 and on Queen from 1967 until 1974. The cars were converted to rail grinders by the TTC at Hi Icrest Shops in 1974-75 and replaced rail grinder W-28, which is also in the museum collection. W-31 was raised by four inches and operates on custom built grinding trucks, which were home built by the TTC W-30 was used to provide extra power for the high-speed grinding operation. The cars last grinding service was in 1997. They were later retired in 2002.









Freight/Passenger Equipment





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VIA Rail 9482 (1948)

Built by: Pullman Standard Retired: 1995 Built: 1948 Arrived: 1996

This car is a fourteen roomette sleeping car with baggage section. It was formerly CN 22 roomette sleeper 2053 cal ed the "Val Brillante". It was originally New York Central sleeper 10423 called the "Dorcas Bay". The car is currently used for accommodation for the Association's volunteers.



Canadian Pacific Railway 40937 & 42108 (1923, 1922)

Built by: American Car & Foundry

Built: 1923, 1922 Retired: 1975

Arrived: 1975 Donated by: CPR

These boxcars are typical of electric/steam era freight equipment. They were used to transport automobiles and later general freight. They were acquired in 1975 for parts storage at the museum.



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Canadian Pacific Railway 80586 & 80903 (1965)

Built by: Hawker Siddeley (Trentonworks) Built: 1965 Arrived: 2006

Retired: 2006 Donated by: CPR

These standard 50' plug door boxcars were built for newsprint service, in which they remained until retirement. They are used for parts storage at the museum.



Tom Twigge-Molecey

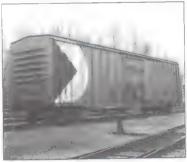
Canadian Pacific Railway 360724 (1953)

Built by: National Steel Car
Built: 1953 Arrived: 2006
Retired: 2005 Donated by: CPR

A derivative of the standard hopper car, this car was modified as a ballast hopper. It is specifically designed for distributing ballast on track. It has been regauged to run at the museum and 's used for track maintenance.



Glen Frank



om In gae-Moece,

Canadian Pacific Railway 166031, 166081 (1966)

Built by: National Steel Car
Built: 1966 Arrived: 2006
Retired: 2006 Donated by: CPR

These Insulated/Heated boxcars were used to transport perishable freight, such as bagged cement. They were converted into a permanent archives storage facility for the museum's many artefacts, including uniforms, blueprints, maps, photographs and negatives, as well as many other railway related items.



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G.en Franks

Canadian Pacific Railway 434145 (1950)

Built by: Canadian Pacific Railway – Angus Shops Built: 1950 Arrived: 1991 Retired: 1990 Donated by: CPR

Caboose 434145 was built in 1950. It was an mportant visual part of Canad an Railways for more tnan 100 years. Early in 1990 changes were made in many companies that would result in the removal of the caboose from most main ine trains. The caboose, or "van" as it was also called, provided a home away from nome for train crews. Bunk beds, stove, fr'dge, sink, table and toilet guaranteed the basics on long trips. CP 434145 retired in 1990 and arrived at the museum in 1991 as a gonation from the CPR

5 7. F " "

London & Port Stanley C-2 (2nd) (1926)

Built by: Pere Marquette Railroad

Built: 1926

Retired: 1965

Arrived: 1975

An earlier and much more spartan caboose than 434145, C-2 was typ cal for its era. Lightweight, and generally lacking in comfort, it was used in electric freight operations unt'l full dieselization of the L&PS in 1963.

Miscellaneous Work Equipment





CWH M-5 (1952)

Built by: Whiting Retired: 1967
Built: 1952 Arrived: April 1967

Trackmobile M-5 was purchased from Canadian Westinghouse in Hamilton. A trackmobile is a form of small internal combustion locomotive intended for switching in confined spaces. It nas rubber-tired wheels, while its flanged wheels run on the rails to perform the switching required. M-5 is a model TM and is one of the few original trackmobiles preserved While lightweight, trackmobiles gain traction effort by lifting the end of the railcar they are towing and transferring the weight to the drive axle.



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Whiting TM-2 (1956)

Built by: Whiting Arrived: 1999
Built: 1956 Retired: 1997
Donated by: Whiting

Like M-5, TM-2 was manufactured by Whiting Equipment. Originally purchased by the Canadian Pacific Railway, it was traded in to the Whiting factory in Welland and was used as a shop switcher there for many years. During its time at CPR the road wheels were removed. Whiting donated the model TM-2 machine in 1999, it has been regauged and rebuilt



Hamilton Street Railway 34 (1940)

Built by: Ford Motor Co. Retired: 1976 Built: 1940 Arrived: 1976

This Hamilton Street Railway overhead line truck is a 1940 Ford two ton. It was used regularly for overnead wire maintenance until its retirement.



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Tom Twigge-Molecey

Toronto TTC 143 (1986) Built by: Ford Motor Co.

Built: 1986 Retired: 2005

Arrived: 2005 Donated by: TTC

This is the modern replacement for vehicles sucn as Oshawa Railway 45. This overhead maintenance truck can go virtually anywnere. The tower can be elevated up to 35' above the ground and the platform can rotate to both sides of the truck. It is equipped with ni-rail equipment and can be operated on railway track. It was donated by the TTC in 2005.

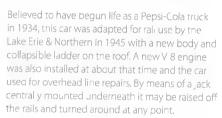
Lake Erie & Northern M-6 (1934)

Built by: Ford

Desc.: SE ST Line Truck
Built: 1934

Retired: 1961 Arrived: 1963

Donated by: Canadian Pacific Electric Lines



Donated by Canadian Pacific Electric Lines, it was regauged by the Association and was the first vehicle to move under its own power (gasoline powered) on the museum railway on May 4, 1963.



Toronto Hamilton & Buffalo 2204-16 (1970)

Built by: Canron Built: 1970

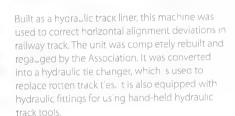
Retired: 1989

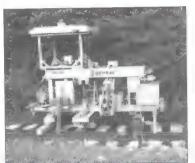
Retired: 1989

Arrived: 1990 Donated by: CPR

The hydraulic tamper marked the future of track maintenance when it was introduced in the 1940's. The machine is used to lift the track into line and pack the pallast around the ties. This is a process known as tamping. Tampers are an essential piece of track maintenance equipment







Tonita gg=41 mer

Canadian Pacific Railway 2211-19 (1972)

Built by: Canron Built: 1972 Retired: 1989

Arrived: 1990 Donated by: CPR

Donated by: CPR

While it resembles a snow plow, this machine is a ballast regulator. Its primary function is to evenly distribute granular ballast along railway track using its front plow and side wings. For final cleanup of any stray ballast it is equipped with a hydrau ic broom, which actually sweeps the track clean.



Ian Smith

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Trolley Coaches





Hamilton Street Railway 732 (1950)

Built by: Brill/Canadian Car & Foundry
Built: 1950 Retired: 1978

Purchased from Arrived: 1981 Hamilton Street Railway

This is the standard Can-Car trolley coach built in great numbers between 1946 and 1952 and used from coast-to-coast in Canada. They were built by designers whose experience was in railways rather than the automotive industry. The body is more solidly built than normal for rubber-tired vehicles. It was purchased from the Hamilton Street Railway and arrived at the museum in 1981.



Tom Twigge-Molecey

Hamilton Street Railway 765 (1972)

Built by: Western Flyer

Built: 1972 Retired: 1995

Arrived: 1995 Donated by: HSR

After the TTC's successful trolley coach rebuild program, where new bodies were equipped with traction components from older coaches, the Flyer went on to produce this standard model E-700 coach using all new components.



Bill Miller

Hamilton Street Railway 7801

Built by: Western Flyer/GEC Alstom

Built: 1978

Arrived: 1995

Retired: 1995

Donated by: HSR

An update of Flyer's E-700 model, the E-800's featured an updated body, but the same traction system. The coaches were modified in 1990 to include a diesel generator and electronic chopper control system to enable them to be operated without overhead power for short distances.

Motor Buses





lim Hunt

Toronto TTC 792 (1946)

Built by: Ford Transit

Built: 1946 Retired: 1968 Donated by: Arrived: 1968

Kitchener Public Utilities Commission

This Ford bus was built in 1946 and purchased from the Kitchener Public Utilities Commission in 1968. This bus is an excellent example of a small urban bus used on secondary routes everywhere. Approximately 18,000 were built, many in Union City, Indiana.

The number is fictitious. It was actually car 20 in Kitchener, but was painted in orthodox pre-war Toronto bus colours by the TTC for an exhibit at the 1984 CNE. Similar Ford buses in Toronto were numbered up to 791. Prior to 1951, it was owned by the Blue Bird Coach Lines in Woodstock, Ontario.



Built by: General Motors Retired: 1984
Desc.: Model TDH-4512 Arrived: 1986
Donated by: Brampton Transit

This is the standard GM transit bus from the 1950's. It is an old look model TDH-4512 and was built for the Hamilton Street Railway as car 517. It was subsequently sold to Brampton Transit where it operated as car 5741. The bus has been repainted back into its Hamilton livery.



Tom Twigge-Molecey

Toronto TTC 8058 (1976)

Built by: General Motors Built: 1976
Desc.: Model TGH-5307N Retired: 2004
Arrived: 2004 Donated by: □TC

This 'new-look' bus is typical of tens of thousands of GM Buses which operated across North America. It was the last "un-rebuilt" new look to operate



John French



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Acknowledgements

Thank you to our major supporters over the past 50 years.

Toronto Transit Commission
Canadian Pacific Railway
Canadian National Railway
Hamilton Street Railway
Ainsworth Inc.
Battlefield Equipment Rentals
Bombardier Transportation
C.A. Towing
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CRHA
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